35.G2827

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
MASAKAZU MATSUGU	)	
Application No.: 09/878,296	)	
Filed: June 12, 2001	)	
For: APPARATUS AND METHOD FOR DETECTING OF RECOGNIZING PATTERN BY EMPLOYING A PLURALITY OF FEATURE DETECTING ELEMENTS	)	July 31, 2001

Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. § 1.56, Applicant respectfully directs the Examiner's attention to the documents listed below and on the enclosed Form PTO-1449. A copy of each document so listed is enclosed.

U.S. Patent No. 6,088,490
U.S. Patent No. 5,664,065
U.S. Patent No. 5,268,684
U.S. Patent No. 5,146,106
U.S. Patent No. 5,059,814
U.S. Patent No. 5,058,184
U.S. Patent No. 5,049,758
U.S. Patent No. 4,876,731
Japan 5-242069
Japan 2856702
Japan 8-315141

Japan 8-153198
Japan 8-153148
Japan 7-334478
Japan 7-262157
Japan 6-34236
Japan 55-124879
"An Attention Prototype For Early Vision", by Sean M Culhane, et al., Dept. of Computer Science, University of Toronto, Canada, pgs. 551-560

"A Multiscale Dynamic Routing Circuit For Forming Size- And Position-Invariant Object Representations", by Bruno A. Olhausen, Journal Of Computational Neuroscience, Vol. 2, No. 1, March 1995, pgs. 45-62

"Detection Of 3D Objects In Cluttered Scenes Using Hierarchical Eigenspace", by Hiroshi Murase, et al., Pattern Recognition Letters, IAPR, Vol. 18, No. 4, April 1997, pgs. 375-384

"Coarse-Fine Template Matching", by Azriel Rosenfeld, et al., IEEE Transactions On Systems, Man And Cybernetics, February 1977, pgs. 104-107

"Multiscale And Distributed Visual Representations And Mappings For Invariant Low-Level Perception", by Harry Wechsler, Neural Networks For Perception, Vol. 1, Human And Machine Perception, 1992, pgs. 462-476

"Physiologically Motivated Image Fusion For Object Detection Using A Pulse Coupled Neural Network", by Randy P. Broussard, et al., IEEE Transactions On Neural Networks, Vol. 10, No. 3, May 1999, pgs. 554-563

"Feature Linking Via Synchronization Among Distributed Assemblies: Simulations Of Results From Cat Visual Cortex", by R. Eckhorn, et al., Neural Computation, Vol. 2, No. 3, 1990, pgs. 293-307

"Silicon Auditory Processors As Computer Peripherals", by John Lazzaro, et al., Advances In Neural Information Processing Systems 5, 1993, pgs. 820-827

"Routing Networks In Visual Cortex", by Charles H. Anderson, et al., The Handbook Of Brain Theory And Neural Networks, 1995, pgs. 823-826

"Neocognitron: A New Algorithm For Pattern Recognition Tolerant Of Deformations And Shifts In Position", by Kunihiko Fukushima, et al., Pattern Recognition, Vol. 15, No. 6, 1982, pgs. 455-469

"Learning And Recognizing 3D Objects From Multiple Views In A Neural System", by Michael Seibert, et al., Neural Networks For Perception, Vol. 1, 1992, pgs. 426-444

"Distortion Invariant Object Recognition In The Dynamic Link Architecture", by Martin Lades, et al., IEEE Transactions On Computers, Vol. 42, No. 3, March 1993, pgs. 300-311

"Low-Dimensional Procedure For The Characterization Of Human Faces", by L. Sirovich, et al., J. Optical Society Of America, Vol. 4, No. 3, March 1987, pgs. 519-524

"Shifts In Selective Visual Attention: Towards The Underlying Neural Circuitry", by C. Koch et al., Human Neurobiology, Vol. 4, No. 4, 1985, pgs. 219-227

"Pulse-Stream VLSI Neural Networks Mixing Analog And Digital Techniques", by Alan Murray, et al., IEEE Transactions On Neural Networks, Vol. 2, No. 2, March 1991, pgs. 193-204

The foregoing documents were discussed in the specification and might be deemed pertinent for the reasons given there.

English language counterparts of the Japanese documents could not be found, but English language abstracts have been located and are enclosed.

Inasmuch as this application has not yet received a first Office Action, it is believed that this Information Disclosure Statement is timely. See 37 C.F.R. § 1.97(b)(3). Accordingly, the Examiner is urged to study this information in its entirety and to form an independent determination of the materiality of the information to the claimed invention. Additionally, the Examiner is requested to indicate that this information has been considered by initialling the appropriate portion of Form PTO-1449.

Applicant's undersigned attorney may be reached in our California office by telephone at (714) 540-8700. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,

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